

SYSTEM AND METHOD OF ANALYZING INTERPRETED PROGRAMS

Abstract of the Disclosure

A method for analyzing the performance of a program when running in an interpreted environment. An interpreter is a program that translates and executes another program. To analyze a binary in an interpreted environment, a mechanism is used to indicate points in the program at source, intermediate, or binary showing where information about the system is to be tracked/profiled/analyzed. Once these analysis points are determined, triggers are created in a separate file or inserted via program instrumentation into the binary to indicate to the interpreter when the analysis triggers need to be processed. The system being analyzed is then run via an interpreter. When one of these triggers occurs during execution, the interpreter calls analysis code passing it the appropriate information so that it may track statistics, metrics, and information about the program corresponding to the trigger.

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